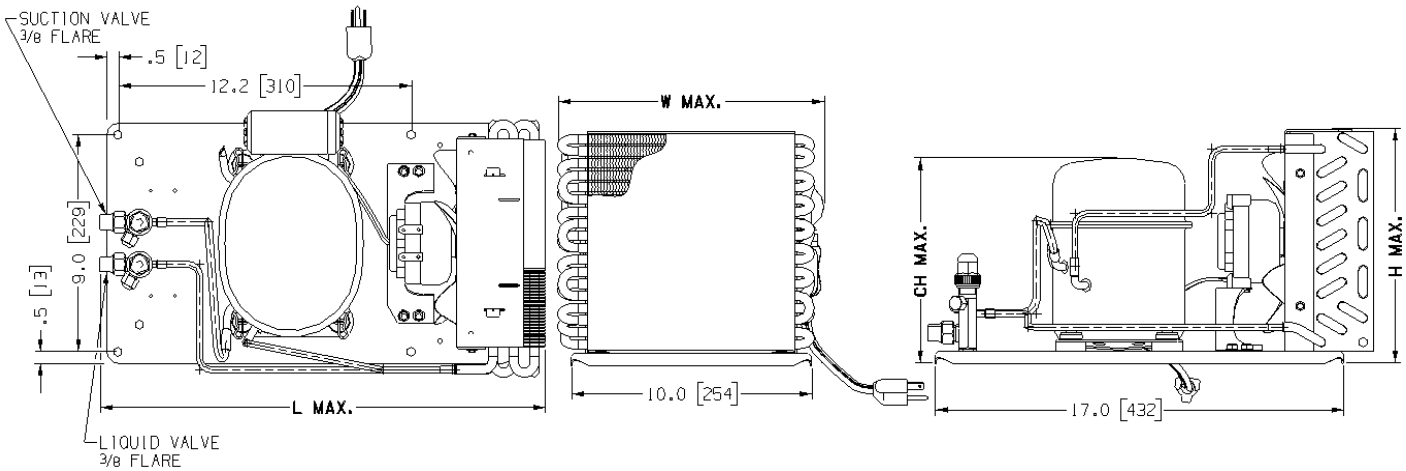
September 18,2002 Rev. 1

Tecumseh Products Company
Hermetic Condensing Units

Model: **AEA2410YXAYA** **R-134a** **1/4 HP** **Air Cooled**



Note: Dimensioning = Inches [mm]

Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90 °F 90%	SCFM	Oz.	Lbs.
AEA2410YXAYA	18.5	11.1	9.7	8.5	3/8” F	3/8” F	-	165	10	TBD

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

60 Hz Performance

		Ambient Temperature															
Evaporator		80 deg F				90 deg F				100 deg F				110 deg F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-30	*4.9"	560	264	99	86	507	253	116	95	299	235	129	102	259	248	166	119
-25	*3.4"	721	286	102	88	646	280	119	97	458	263	135	105	387	269	166	118
-20	*1.8"	889	309	104	90	795	307	122	99	621	293	141	107	523	292	167	118
-15	0	1065	333	108	91	954	335	127	101	789	323	146	110	667	318	169	119
-10	1.9	1248	359	112	94	1124	364	131	103	961	353	152	112	819	347	173	120
-5	4.1	1438	386	117	96	1304	393	137	105	1138	385	158	114	979	379	179	122
0	6.5	1636	413	122	99	1493	422	142	108	1320	417	164	117	1147	413	186	125
5	9.1	1841	442	128	101	1693	452	149	111	1507	449	170	119	1323	450	195	128
10	11.9	2053	472	135	104	1904	482	155	113	1698	482	176	121	1507	490	205	132
15	15	2272	504	143	108	2124	513	163	117	1894	516	182	123	1699	533	217	136
20	18.4	2499	536	150	111	2354	544	171	120	2095	550	189	126	1899	578	230	141

Based on 40°F return gas (for all condensing temps), 5°F subcooling.
Note: * = Inches of Mercury below 1 Atmosphere

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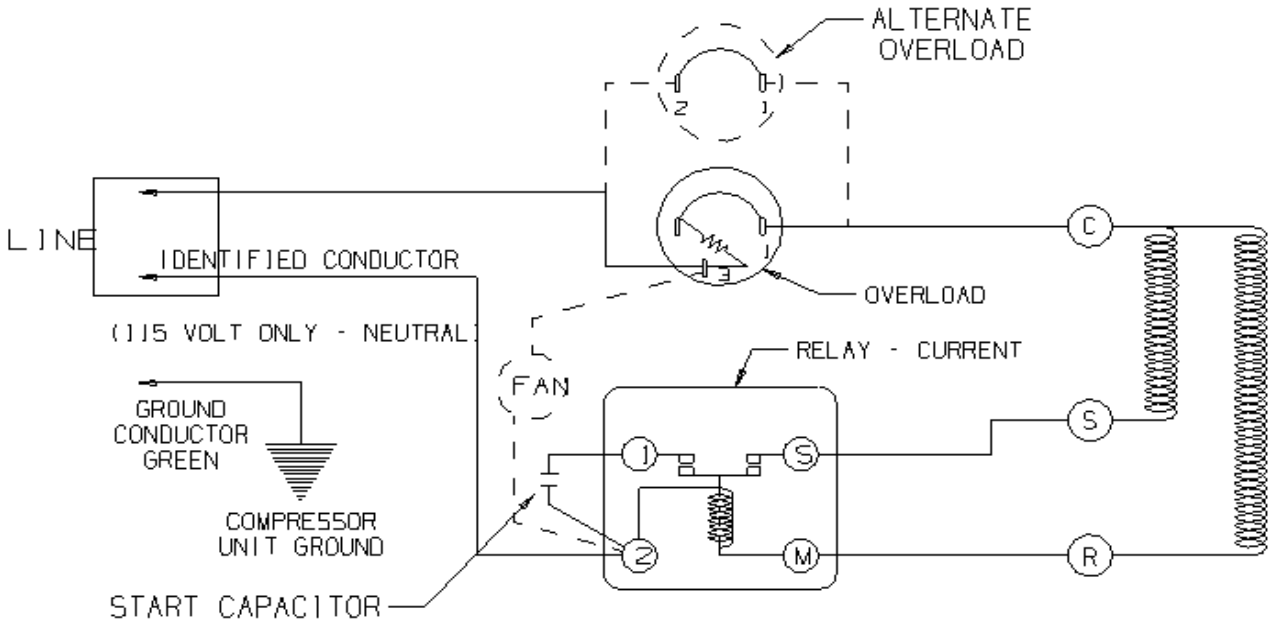
Specifications: AEA2410YXAYA R-134a 1/4 HP Air Cooled

Model	AEA2410YXAYA
Nominal Volts-Hz-Ph	115-60-1
Unit Bill of Material	2D400-2
Voltage Range	103.5 – 126.5
Min. Circuit Ampacity	7.5
Max. Fuse Size (amps)	15
Compressor Model	AEA2410YXA
Comp. Bill of Material	AE600AT-724-P2
Alt. Comp. Bill of Mat.	AE600AR-716-A2
Compressor RLA/LRA	5.60 / 40.0
Overload	8300MRTD88
Relay	8200EMBJ73
Alternate Relay	82473
Start Capacitor	85PS110C92
Start Capacitor Rating	270-324 µfd @ 110 V
Fan Motor	810M006B45
Fan Blade	51561-1
Condenser	50883
Condenser Shroud	71194
Unit Drawing	SU 1924-4
Electrical Drawing	DEAE-2



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR

REF. DWG. MD-472-1